KENWOOD

CD-RECEIVER

HYUNDAI

00271-06000

INSTRUCTION MANUAL

Kenwood Corporation

Take the time to read through this instruction manual.
Familiarity with installation and operation procedures will help you obtain the best performance from your new CD-receiver.

© B64-3358-00/00 (KW)

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⚠Warning

⚠CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

Kenwood Corporation
2967-3, ISHIKAWA-MACHI,
HACHIOJI-SHI
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT CONFORMS TO DHHS REGULATIONS N0.21 CFR 1040. 10, CHAPTER 1, SUBCHAPTER J.

Location : Bottom Panel

FCC WARNING
This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

NOTE
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

⚠WARNING

To prevent injury or fire, take the following precautions:

- Insert the unit all the way in until it is fully locked in place. Otherwise it may fall out of place when jolted.
- When extending the ignition, battery, or ground wires, make sure to use automotive-grade wires or other wires with a 0.75mm^2 (AWG18) or more to prevent wire deterioration and damage to the wire coating.
- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- If the unit starts to emit smoke or strange smells, turn off the power immediately and consult your Kenwood dealer.
- Make sure not to get your fingers caught between the faceplate and the unit.
- Be careful not to drop the unit or subject it to strong shock.
  The unit may break or crack because it contains glass parts.
- Do not touch the liquid crystal fluid if the LCD is damaged or broken due to shock. The liquid crystal fluid may be dangerous to your health or even fatal.
  If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

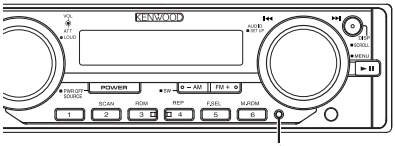
⚠CAUTION

To prevent damage to the machine, take the following precautions:

- Make sure to ground the unit to a negative 12V DC power supply.
- Do not open the top or bottom covers of the unit.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not set the removed faceplate or the faceplate case in areas exposed to direct sunlight, excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- To prevent deterioration, do not touch the terminals of the unit or faceplate with your fingers.
- Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.
- When replacing a fuse, only use a new one with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.
- To prevent a short circuit when replacing a fuse, first disconnect the wiring harness.
- Do not place any object between the faceplate and the unit.
- Do not apply excessive force to the moving faceplate. Doing so will cause damage or malfunction.
- Do not apply excessive force to the open faceplate or place objects on it. Doing so will cause damage or breakdown.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

NOTE

- If the unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed.



Reset button

- Characters in the LCD may become difficult to read in temperatures below 41 ˚F (5 ˚C).
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may represent something impossible in actual operation.

Lens Fogging

Right after you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, CDs may be impossible to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

Do Not Load 3-in. CDs in the CD slot

If you try to load a 3 in. CD with its adapter into the unit, the adapter might separate from the CD and damage the unit.

Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.
If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe neutral detergent off.

⚠

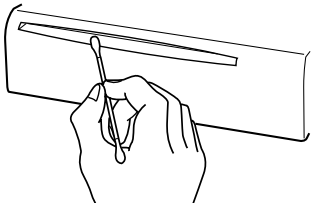
- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

Cleaning the Faceplate Terminals

If the terminals on the unit or faceplate get dirty, wipe them with a dry, soft cloth.

Cleaning the CD Slot

As dust tends to accumulate in the CD slot, clean it every once in a while. Your CDs can get scratched if you put them in a dusty CD slot.



About CDs

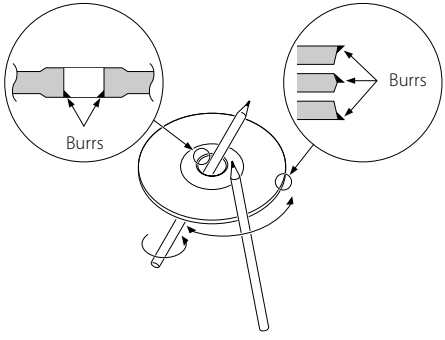
Handling CDs

- Don't touch the recording surface of the CD.

- CD-R and CD-RW are easier to damage than a normal music CD. Use a CD-R or a CD-RW after reading the caution items on the package etc.
- Don't stick tape etc. on the CD.
  Also, don't use a CD with tape stuck on it.

When using a new CD

If the CD center hole or outside rim has burrs, use it after removing them with a ballpoint pen etc.

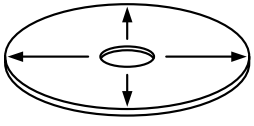


CD accessories

Don't use disc type accessories.

CD cleaning

Clean from the center of the disc and move outward.

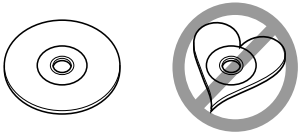


Removing CDs

When removing CDs from this unit pull them out horizontally.

CDs that can't be used

- CDs that aren't round can't be used.



- CDs with coloring on the recording surface or that are dirty can't be used.
- This unit can only play the CDs with
  .
  It may not correctly play discs which do not have the mark.
- A CD-R or CD-RW that hasn't been finalized can't be played. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)

CD storage

- Don't place them in direct sunlight (On the seat or dashboard etc.) and where the temperature is high.
- Store CDs in their cases.

This unit can play MP3 (MPEG1, 2 Audio Layer 3)/ WMA. Note, however, that the MP3/WMA recording media and formats acceptable are limited. When writing MP3/WMA, pay attention to the following restrictions.

Acceptable media

The MP3/WMA recording media acceptable to this unit are CD-ROM, CD-R, and CD-RW.
When using CD-RW, do full format not quick format to prevent malfunction.

Acceptable medium formats

The following formats are available for the media used in this unit. The maximum number of characters used for file and folder name including the delimiter (".") and three-character extension are indicated in parentheses.

- ISO 9660 Level 1 (12 characters)
- ISO 9660 Level 2 (31 characters)
- Joliet (64 character; Up to 32 characters are displayed)
- Romeo (128 character; Up to 64 characters are displayed)
- Long file name (200 characters; Up to 64 characters are displayed)
- Maximum number of characters for folder name: 64 (Joliet; Up to 32 characters are displayed)

For a list of available characters, see the instruction manual of the writing software and the section Entering file and folder names below.
The media reproducible on this unit has the following limitations:

- Maximum number of directory levels: 8
- Maximum number of files per folder: 255
- Maximum number of folders: 50
- Maximum number of files and folders: 512

MP3/WMA written in the formats other than the above may not be successfully played and their file names or folder names are not properly displayed.

Settings for your MP3/WMA encoder and CD writer

Do the following setting when compressing audio data in MP3/WMA data with the MP3/WMA encoder.

- Transfer bit rate: MP3: 8 —320 kbps
  WMA: 48 —192 kbps
- Sampling frequency
  MP3: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz
  WMA: 32, 44.1, 48 kHz

When you use your CD writer to record MP3/WMA up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to the maximum capacity at once, check Disc at Once.

- Play mode may not be possible when portions of the functions of Windows Media Player 9 or higher are used.

Entering ID3 tag and Contents Description

The Displayable ID3 tag is ID3 version 1.0/1.1.
For the character code, refer to the List of Codes.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0				0	@	P	`	p			▬	°	Ā	Đ	à	ơ
1			!	1	A	Q	a	q			¡	±	ā	Ñ	á	ñ
2			"	2	B	R	b	r			¢	²	Ă	Ō	â	ō
3			#	3	C	S	c	s			£	³	ă	Ō	ã	ō
4			$	4	D	T	d	t			¤	´	Ą	Ō	ä	ô
5			%	5	E	U	e	u			¥	µ	ą	Ō	å	ô
6			&	6	F	V	f	v			¦	¶	Æ	Ō	æ	ô
7			'	7	G	W	g	w			§	·	Ç	×	ç	÷
8			(	8	H	X	h	x			♪	†	È	Ø	è	ø
9			)	9	I	Y	i	y			©	¹	É	Ù	é	ù
A			*	:	J	Z	j	z			ª	º	Ê	Ú	ê	ú
B			+	;	K	[	k	{			«	»	Ë	Ű	ë	û
C			,	<	L	\	l	|		¬	1/4	Ì	Ü	ì	ü
D			-	=	M	]	m	}			℗	1/2	Í	Ý	í	ý
E			.	>	N	^	n	~			®	3/4	Î	Þ	î	þ
F			/	?	O	_	o	■			¯	¿	Ï	ß	ï	ÿ

Entering file and folder names

The code list characters are the only file names and folder names that can be entered and displayed.
If you use any other character for entry, the file and folder names are not displayed correctly. They may neither be displayed correctly depending on the CD writer used.
The unit recognizes and plays only those MP3/WMA which have the MP3/WMA extension (.MP3/.WMA).

- A file with a name entered with characters not on the code list may not play correctly.

Writing files into a medium

When a medium containing MP3/WMA data is loaded, the unit checks all the data on the medium. If the medium contains a lot of folders or non-MP3/ WMA files, therefore, it takes a long time until the unit starts playing MP3/WMA.
In addition, it may take time for the unit to move to the next MP3/WMA file or a File Search or Folder Search may not be performed smoothly.

Loading such a medium may produce loud noise to damage the speakers.

- Do no attempt to play a medium containing a non-MP3/ WMA file with the MP3/WMA extension.
  The unit mistakes non-MP3/WMA files for MP3/WMA data as long as they have the MP3/WMA extension.
- Do not attempt to play for non-MP3/WMA discs.

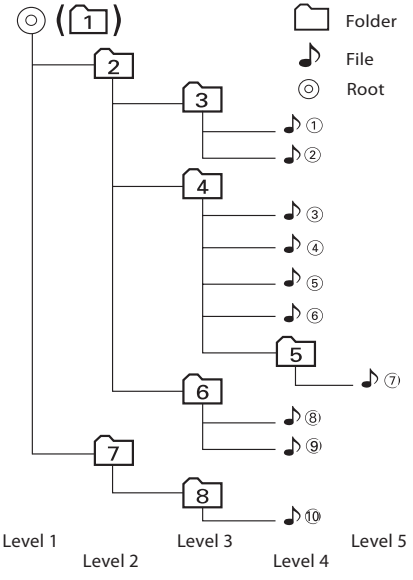
MP3/WMA playing order

When selected for play, Folder Search, File Search, or for Folder Select, files and folders are accessed in the order in which they were written by the CD writer.

Because of this, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3/WMA are to be played by writing them onto a medium such as a CD-R with their file names beginning with play sequence numbers such as "01" to "99", depending on your CD writer.

For example, a medium with the following folder/file hierarchy is subject to Folder Search, File Search, or Folder Select as shown below.

Example of a medium's folder/file hierarchy



When a File Search is executed with file ♪④ being played ...

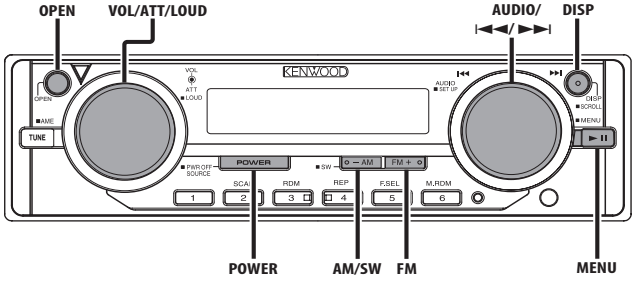
Operation of the knob	(Current file: ♪④)
I◄◄ Knob	Beginning of file ♪④ ➜ ♪③
►►I Knob	♪⑤ ➜ ♪⑥

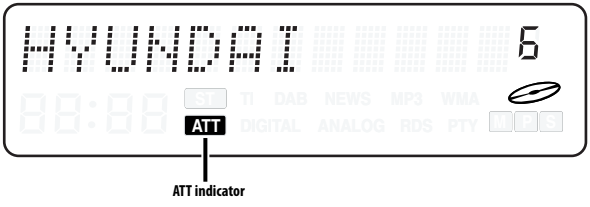
When a Folder Search is executed with file ♪④ being played ...

Operation of the button	(Current folder: 4)
AM Button	3 ➜ 2 ➜ 1 ➜ 8 ...
FM Button	5 ➜ 6 ➜ 7 ➜ 8 ➜ 1 ...

When Folder Select is selected with file ♪④ being played to move from folder to folder ...

Operation of the knob or button	(Current folder: 4)
I◄◄ Knob	3
►►I Knob	6
AM Button	2
FM Button	5





Power

Turning ON the Power

Press the [POWER] button.

Turning OFF the Power

Press the [POWER] button for at least 1 second.

Selecting the Source

Press the [POWER] button.

Source required	Display
Tuner	"TUNER"
CD	"CD"
External Media player* (Optional accessory)	"EXT MEDIA"
Standby (Illumination only mode)	"STANDBY"

- * You can control the media player (iPod) when you connected Kenwood optional accessory (KCA-iP500).

Volume

Increasing Volume

Turn the [VOL] knob clockwise.

Decreasing Volume

Turn the [VOL] knob counterclockwise.

Attenuator

Turning the volume down quickly.

Press the [ATT] knob.

Each time the knob is pressed the Attenuator turns ON or OFF.

When it's ON, the "ATT" indicator blinks.

Loudness

Compensating for low and high tones during low volume.

Press the [LOUD] knob for at least 1 second.
Each time the knob is pressed for at least 1 second the Loudness turns ON or OFF.
When it's ON, "LOUD ON" is displayed.

Audio Control

1 Select the source for adjustment
Press the [POWER] button.

2 Enter Audio Control mode
Press the [AUDIO] knob.

3 Select the Audio item for adjustment
Press the [AUDIO] knob.
Each time the knob is pressed the audio items that can be adjusted switch as shown below.

4 Adjust the Audio item
Turn the [I◄◄] / [►►I] knob.

Audio Item	Display	Range
Sub woofer level*	"SW Level"	–15 — +15
Bass	"Bass"	–8 — +8
Middle	"Middle"	–8 — +8
Treble	"Treble"	–8 — +8
Balance	"Balance"	Left 15 — Right 15
Fader	"Fader"	Rear 15 — Front 15

- * This mode is available only when <Subwoofer Output> (page 13) is ON and <Switching Preout> (page 21) is set to "SWPRE Sub-W".

5 Exit Audio Control mode
Press the [AUDIO] knob for at least 1 second.

- If you make no button operation for 10 seconds, this function is automatically canceled.

Audio Setup

1 Select the source for adjustment
Press the [POWER] button.

2 Enter Audio Setup mode
Press the [AUDIO] knob for at least 1 second.

3 Select the setup item for adjustment
Press the [AUDIO] knob.
Each time the knob is pressed the items that can be adjusted switch as shown below.

4 Adjust the Audio Setup item
Turn the [I◄◄] / [►►I] knob.

Setup Item	Display	Range [Sound setting]
System Q*	"Flat/User/ Rock/Pops/ Easy/Top40/ Jazz"	[Flat/User memory/ Rock/Pops/ Easy/Top40/ Jazz]
Volume offset	"V- Offset"	–8 — ±0

- *System Q: You can recall the best sound setting preset for different types of music.
- User memory: The values set on the <Audio Control> (page 11).
- Volume offset: Each source's volume can be set as a difference from the basic volume.

5 Exit Audio Setup mode
Press the [AUDIO] knob for at least 1 second.

- If you make no button operation for 10 seconds, this function is automatically canceled.

Switching Display

Switching the information displayed.

Press the [DISP] button.
Each time the button is pressed the display switches as shown below.

In Tuner source

Information	Display
Station name or Frequency	"BAND+SNPS"
Frequency	"BAND+FREQ"

In CD source

Information	Display
Disc title	"D-TITLE"
Track title	"T-TITLE"
Track number & Play time	"P-Time"
Disc name	"DNPS"

In MP3/WMA source

Information	Display
Song title & Artist name	"TITLE"
Album name & Artist name	"ALBUM"
Folder name	"FOLDER NAME"
File name	"FILE NAME"
Track number & Play time	"P-Time"

- If the Disc title, Track title, Song title & Artist name, or Album name & Artist name is selected when the disc which does not have Disc title, Track title, Song title, Album name, or Artist name is played, track number and play time are displayed.
- The Album name cannot be displayed during WMA play.

Station/Disc Naming (SNPS/DNPS)

Attaching a title to a Station or CD.

1 Receive/play the station/disc you want to attach a title to

- Refer to the <Switching Display> (page 12) and select either "DNPS" or "SNPS". No name can be attached to the source if "DNPS" or "SNPS" cannot be selected for it.

2 Enter name set mode
Press the [DISP] button for at least 2 seconds.
"NAME SET" is displayed.

3 Move the cursor to the enter character position
Press the [AUDIO] knob.

- This function can be used the [FM] / [AM] button.

4 Select the character type
Press the [MENU] button.
Each time the button is pressed the character type switches as shown below.

Character type
Alphabet upper case
Alphabet lower case
Numbers and symbols
Special characters (Accent characters)

5 Select the characters
Turn the [I◄◄] / [►►I] knob.

- Characters can be entered by using a remote control with a number buttons.
  Example: If "DANCE" is entered.

Character	Button	Times pressed
"D"	[3]	1
"A"	[2]	1
"N"	[6]	2
"C"	[2]	3
"E"	[3]	2

6 Repeat steps 3 through 5 and enter the name.

7 Exit name set mode
Press the [DISP] button.

- When operation stops for 10 seconds, the name at that time is registered, and Name Set mode closes.
- Memory numbers
  - FM: 32 stations
  - AM: 16 stations
  - CD player: 30 discs
- The title of station/CD can be changed by the same operation used to name it.

Subwoofer Output

Turning the Subwoofer output ON or OFF.

Press the [SW] button for at least 1 second.

Each time the button is pressed Subwoofer output switches ON or OFF.

When it's ON, "Sub-W ON" is displayed.

- You can control this function when <Switching Preout> (page 21) is set to "SWPRE Sub-W".

Theft Deterrent Faceplate

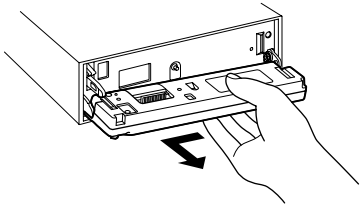
The faceplate of the unit can be detached and taken with you, helping to deter theft.

Removing the Faceplate

1 Press the [OPEN] button.

Drop open the faceplate.

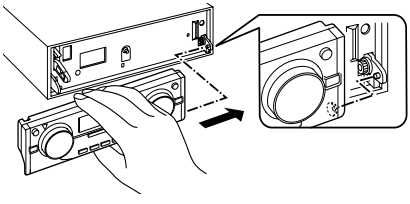
2 Drawing the faceplate to left side pull it to the front and remove it.



- The faceplate is a precision piece of equipment and can be damaged by shocks or jolts. For that reason, keep the faceplate in its special storage case while detached.
- Do not expose the faceplate or its storage case to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

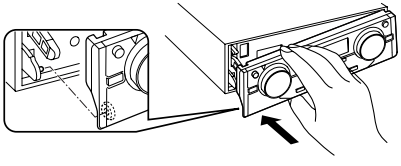
Reattaching the Faceplate

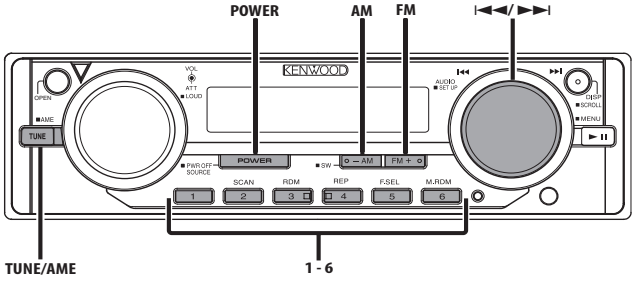
1 Align the shaft on the unit with the depression on the faceplate.

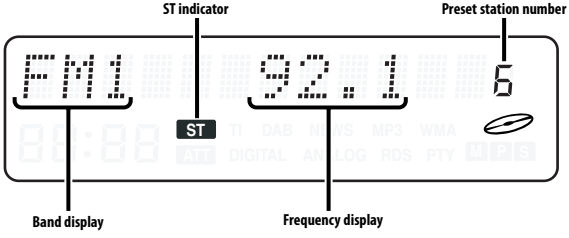


2 Push the faceplate in until it clicks.

The faceplate is locked in place, allowing you to use the unit.







Tuning Mode

Choose the tuning mode.

Press the [TUNE] button.

Each time the button is pressed the Tuning mode switches as shown below.

Tuning mode	Display	Operation
Auto seek	"Auto"	Automatic search for a station.
Preset station seek	"Preset Seek"	Search in order of the stations in the Preset memory.
Manual	"Manual"	Normal manual tuning control.

Tuning

Selecting the station.

1 Select tuner source

Press the [POWER] button.

Select the "TUNER" display.

2 Select the band

Press the [FM] / [AM] button.

Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

3 Tune up or down band

Turn the [|◄◄] / [►►|] knob.

- During reception of stereo stations the "ST" indicator is ON.

Function of remote control

Direct Access Tuning

Entering the frequency and tuning.

1 Select the band
Press the [FM] / [AM] button.

2 Enter Direct Access Tuning mode
Press the [DIRECT] button on the remote control.
"– – – –" is displayed.

3 Enter the frequency
Press the number buttons on the remote control.
Example:

Desired frequency	Press button
92.1 MHz (FM)	[0], [9], [2], [1]
810 kHz (AM)	[0], [8], [1], [0]

Canceling Direct Access Tuning
Press the [DIRECT] button on the remote control.

Station Preset Memory

Putting the station in the memory.

1 Select the band
Press the [FM] / [AM] button.

2 Select the frequency to put in the memory
Turn the [I◄◄] / [►►I] knob.

3 Put the frequency in the memory
Press the desired [1] — [6] button for at least 2 seconds.
The preset number display blinks 1 time.
On each band, 1 station can be put in the memory on each [1] — [6] button.

Auto Memory Entry

Putting stations with good reception in the memory automatically.

1 Select the band for Auto Memory Entry
Press the [FM] / [AM] button.

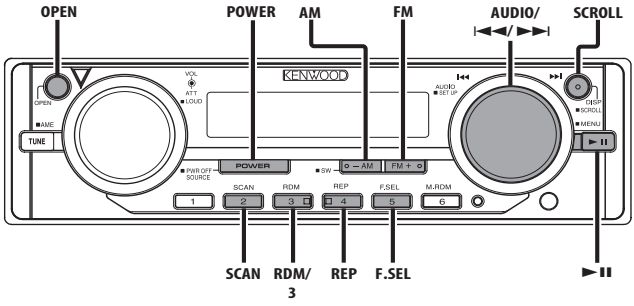
2 Open Auto Memory Entry
Press the [AME] button for at least 2 seconds.
When 6 stations that can be received are put in the memory Auto Memory Entry closes.

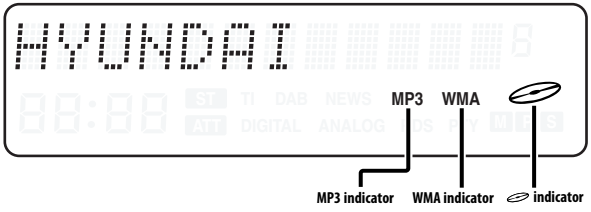
Preset Tuning

Calling up the stations in the memory.

1 Select the band
Press the [FM] / [AM] button.

2 Call up the station
Press the desired [1] — [6] button.





Playing CD & MP3/WMA

When there is no disc inserted

1 Drop open the faceplate
Press the [OPEN] button.

2 Insert a disc.

3 Press the faceplate on the left side, and return it to its former position.

- When the faceplate has been dropped open, it might interfere with the shift lever or something else. If this happens, pay attention to safety and move the shift lever or take an appropriate action, then operate the unit.
- Do not use the unit with the faceplate in the open condition. If it's used in the open position dust can enter the inside part and cause damage.

- When a disc is inserted, the ⬭ indicator is ON.
- During MP3 is playing, the "MP3" indicator is ON.
- During WMA is playing, the "WMA" indicator is ON.

When a disc is inserted

Press the [POWER] button.
Select the "CD" display.

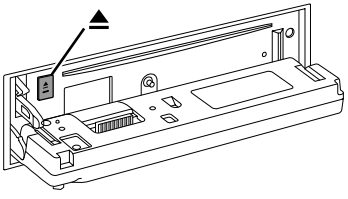
Pause and play

Press the [►II] button.
Each time the button is pressed it pauses and plays.

Eject the disc

1 Drop open the faceplate
Press the [OPEN] button.

2 Eject the disc
Press the [⏏] button.



3 Press the faceplate on the left side, and return it to its former position.

- 3 in. (8cm) disc can't be played. Using an adapter and inserting them into this unit can cause damage.

- The MP3/WMA media that this unit can play are CD-ROM, CD-R, and CD-RW.
  The medium formats must be ISO 9660 Level 1, Level 2, Joliet, or Romeo. The methods and precautions to be followed for writing MP3/WMA data are covered in <Notes on playing MP3/WMA> (page 8).
  Check that section before creating your MP3/WMA media.

Fast Forwarding and Reversing

Fast Forwarding

Hold turn on the [►►I] knob.
Release your finger to play the disc at that point.

Reversing

Hold turn on the [I◄◄] knob.
Release your finger to play the disc at that point.

Track/File Search

Searching for a song on the disc or in the MP3/WMA folder.

Turn the [I◄◄] / [►►I] knob.

Function of MP3/ WMA

Folder Search

Selecting the folder recorded on the MP3/WMA media.

Press the [AM] / [FM] button.

Function of remote control

Direct Track/File Search

Doing Track/File Search by entering the track/file number.

1 Enter the track/file number
Press the number buttons on the remote control.

2 Do Track/File Search
Press the [I◄◄] / [►►I] button.

Canceling Direct Track/File Search

Press the [►II] button.

Track/File/Folder Repeat

Replaying the song, MP3/WMA folder you're listening to.

Press the [REP] button.
Each time the button is pressed the Repeat Play switches as shown below.

In CD source

Repeat play	Display
Track Repeat	"Repeat ON"/"T-Repeat ON"
OFF	"Repeat OFF"

In MP3/WMA source

Repeat play	Display
File Repeat	"File REP ON"
Folder Repeat	"FOLD REP ON"
OFF	"Repeat OFF"

Scan Play

Playing the first part of each song on the disc or MP3/WMA folder you are listening to and searching for the song you want to listen to.

1 Start Scan Play
Press the [SCAN] button.
"Scan ON" is displayed.

2 Release it when the song you want to listen to is played
Press the [SCAN] button.

Random Play

Play all the songs on the disc or MP3/WMA folder in random order.

Press the [RDM] button.
Each time the button is pressed Random Play turns ON or OFF.
When it's ON, "Random ON" is displayed.

- When the [►►I] knob is turned, the next song select starts.

Function of MP3/WMA

Folder Select

Quickly selecting the folder you want to listen to.

1 Enter Folder Select mode
Press the [F.SEL] button.
"Select Mode" is displayed.
During Select mode the folder information is displayed as shown below.

Folder name display
Displays the current folder name.

2 Select the folder level
Press the [FM] / [AM] button.
With the [FM] button you move 1 level down and with the [AM] button 1 level up.

Selecting a folder in the same level
Turn the [I◄◄] / [►►I] knob.
With the [I◄◄] knob you move to the previous folder, and with the [►►I] knob to the next folder.

Returning to the top level
Press the [3] button.

3 Decide the folder to play
Press the [AUDIO] knob.
The Folder Select mode releases, and the MP3/WMA in the folder being displayed is played.

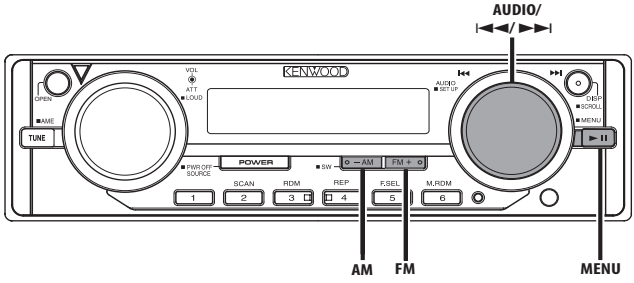
- The methods for moving to other folders in the folder select mode are different from those in the folder search mode.
  See <Notes on playing MP3/WMA> (page 8) for details.

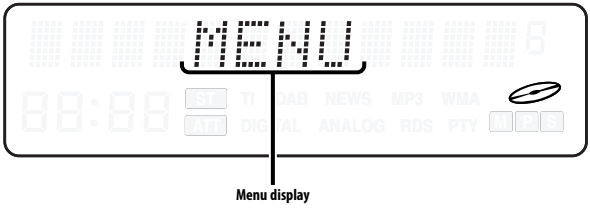
Canceling the Folder Select mode
Press the [F.SEL] button.

Text/Title Scroll

Scrolling the displayed CD text, MP3/WMA text.

Press the [SCROLL] button for at least 1 second.





Menu System

Settings during operation selectable illumination select etc. functions.
The Menu system basic operation method is explained here. The reference for the Menu items and their setting content is after this operation explanation.

1 Enter Menu mode
Press the [MENU] button for at least 1 second.
"MENU" is displayed.

2 Select the menu item
Press the [AUDIO] knob.
Example: When you want to set the selectable illumination select the "Button" display.

- This function can be used the [FM] / [AM] button.

3 Set the menu item
Turn the [|◄◄] / [►►|] knob.
Example: When "Button" is selected, each time the knob is turned it switches "Button Red" or "Button Green". Select 1 of them as the setting.
You can continue by returning to step 2 and setting other items.

4 Exit Menu mode
Press the [MENU] button for at least 1 second.

- When other items that are applicable to the basic operation method above are displayed afterwards their setting content chart is entered. (Normally the uppermost setting in the chart is the original setting.)
- If you make no button operation for 10 seconds, the Menu system is automatically canceled.

Selectable Illumination

Selecting the button illumination color as green or red.

Display	Setting
"Button Red"	The illumination color is red.
"Button Green"	The illumination color is green.

Contrast Adjustment

Adjusting the display contrast.

Display and Setting
"Contrast 0"
⋮
"Contrast 5" (Original setting)
⋮
"Contrast 10"

In Standby mode

Switching Preout

Switching the preout between the rear and subwoofer. (In subwoofer it outputs without effect from the fader control.)

Display	Setting
"SWPRE Sub-W"	Subwoofer preout.
"SWPRE Rear"	Rear preout.

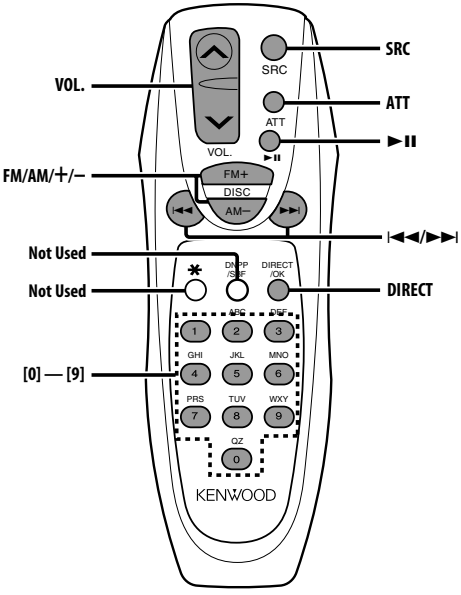
In Standby mode

CD Read Setting

When there is a problem on playing a CD with special format, this setting play the CD by force.

Display	Setting
"CD READ 1"	Play CD and MP3/WMA.
"CD READ 2"	Play CD by force.

- Setting "CD READ 2" cannot play MP3/WMA. Some music CDs may not be played back even in the "CD READ 2" mode.

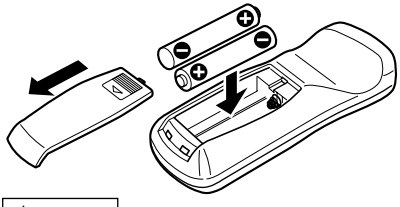


Loading and Replacing the battery

Use two "AA"/ "R6"-size batteries.

Slide the cover while pressing downwards to remove it as illustrated.

Insert the batteries with the + and – poles aligned properly, following the illustration inside the case.



⚠WARNING

- Store unused batteries out of the reach of children. Contact a doctor immediately if the battery is accidentally swallowed.

⚠

- Do not set the remote control on hot places such as above the dashboard.

Basic operations

[VOL.] buttons

Adjusting the volume.

[SRC] button

Each time the button is pressed the source switches.

For the source switching order refer to <Selecting the Source> (page 10).

[ATT] button

Turning the volume down quickly.

When it is pressed again it returns to the previous level.

In Tuner source

[FM]/ [AM] buttons
Select the band.
Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

[|◄◄]/ [►►|] buttons
Tune up or down band.

[0] — [9] buttons
Press buttons [1] — [6] to recall preset stations.

[DIRECT] button
Enters and cancels the <Direct Access Tuning> (page 15) mode.

In Disc source

[|◄◄]/ [►►|] buttons
Doing track/file forward and backward.

[+]/ [−] buttons
Doing folder forward and backward.

[►II] button
Each time the button is pressed the song pauses and plays.

[0] — [9] buttons
When in <Direct Track/File Search> (page 17) , enter the track/file number.

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

General

? The power does not turn ON.
- ✔ The fuse has blown.
  - ☞ After checking for short circuits in the wires, replace the fuse with one with the same rating.
- ✔ Speaker cable touches on chassis etc.
  - ☞ Wire or insulate the speaker cable properly and press the reset button.

? There's a source you can't switch.
- ✔ There's no media inserted.
  - ☞ Set the media you want to listen to. If there's no media in this unit, you can't switch to each source.

? There's no loudness effect.
- ✔ You're using Subwoofer preout.
  - ☞ Loudness has no effect in Subwoofer preout.

? Even if Loudness is turned ON, high-pitched tone isn't compensated for.
- ✔ Tuner source is selected.
  - ☞ High-pitched tone isn't compensated for when in Tuner source.

? No sound can be heard, or the volume is low.
- ✔ The fader or balance settings are set all the way to one side.
  - ☞ Center the fader and balance settings.
- ✔ The values of Volume offset are low.
  - ☞ Turn up the Volume offset, referring to the section on <Audio Setup> (page 11).

? The Touch Sensor Tone doesn't sound.
- ✔ The preout jack is being used.
  - ☞ The Touch Sensor Tone can't be output from the preout jack.

Tuner source

? The desired frequency can't be entered with the Direct Access Tuning.
- ✔ A station that can't be received is being entered.
  - ☞ Enter a station that can be received.
- ✔ You're trying to enter a frequency with a 0.01 MHz unit.
  - ☞ What can be designated in the FM band is to 0.1 MHz.

Disc source

? The specified disc does not play, but another one plays instead.
- ✔ The specified CD is quite dirty.
  - ☞ Clean the CD.
- ✔ The disc is severely scratched.
  - ☞ Try another disc instead.

? Can't remove disc.
- ✔ The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.
  - ☞ The disc can only be removed within 10 minutes of the ACC switch being turned OFF. If more than 10 minutes has elapsed, turn the ACC switch ON again and press the Eject button.

? The disc won't insert.
- ✔ There's already another disc inserted.
  - ☞ Press the [⏏] button and remove the disc.

? Direct Search can't be done.
- ✔ Another function is ON.
  - ☞ Turn Random Play or other functions OFF.

? Track Search can't be done.
- ✔ For the discs/folders first or last song.
  - ☞ For each disc/folder, Track Search can't be done in the backward direction for the first song or in the forward direction for the last song.

MP3/WMA source

? Cannot play an MP3/WMA.

✔ The media is scratched or dirty.

☞ Clean the media, referring to the CD cleaning of the section on <About CDs> (page 7).

? The sound skips when an MP3/WMA is being played.

✔ The media is scratched or dirty.

☞ Clean the media, referring to the CD cleaning of the section on <About CDs> (page 7).

✔ The recording condition is bad.

☞ Record the media again or use another media.

? The MP3/WMA track time isn't displayed correctly.

✔ ---

☞ There are times when it isn't displayed correctly according to the MP3/WMA recording conditions.

The messages shown below display your systems condition.

TOC Error: The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.
➪ Clean the CD and load it correctly.

E-05: The CD is upside-down.
➪ Load the CD correctly.

Mecha Error: The unit is malfunctioning for some reason.
➪ Press the reset button on the unit. If the "Mecha Error" code does not disappear, consult your nearest service center.

NO NAME: Attempted to display DNPS during the CD play having no disc names preset.

Reading: The unit is reading the data on the disc.

indicator is blinks:
The CD player section is not operating properly.
➪ Reinsert the CD. If the CD cannot be ejected or the display continues to flash even when the CD has been properly reinserted, please switch off the power and consult your nearest service center.

Unsupported: A MP3/WMA is played with a format that this unit can't support.
➪ ----

Protected: A copy-protected file is played.
➪ ----

Specifications

Specifications subject to change without notice.

FM tuner section

Frequency range (200 kHz space)
: 87.9 MHz – 107.9 MHz
Usable sensitivity (S/N = 30dB)
: 9.3dBf (0.8 µV/75 Ω)
Quieting Sensitivity (S/N = 50dB)
: 15.2dBf (1.6 µV/75 Ω)
Frequency response (±3 dB)
: 30 Hz – 15 kHz
Signal to Noise ratio (MONO)
: 70 dB
Selectivity (±400 kHz)
: ≥ 80 dB
Stereo separation (1 kHz)
: 40 dB

AM tuner section

Frequency range (10 kHz space)
: 530 kHz – 1700 kHz
Usable sensitivity (S/N = 20dB)
: 28 dBµ (25 µV)

CD player section

Laser diode
: GaAlAs
Digital filter (D/A)
: 8 Times Over Sampling
D/A Converter
: 1 Bit
Spindle speed
: 500 – 200 rpm (CLV)
Wow & Flutter
: Below Measurable Limit
Frequency response (±1 dB)
: 10 Hz – 20 kHz
Total harmonic distortion (1 kHz)
: 0.01 %
Signal to Noise ratio (1 kHz)
: 105 dB
Dynamic range
: 93 dB
Channel separation
: 96 dB
MP3 decode
: Compliant with MPEG-1/2 Audio Layer-3
WMA decode
: Compliant with Windows Media Audio

Audio section

Maximum output power
: 50 W x 4
Full Bandwidth Power (at less than 1% THD)
: 22 W x 4
Tone action
Bass : 100 Hz ±10 dB
Middle : 1 kHz ±10 dB
Treble : 10 kHz ±10 dB
Preout level / Load (during disc play)
: 2000 mV/10 kΩ
Preout impedance
: ≤ 600 Ω

General

Operating voltage (11 – 16V allowable)
: 14.4 V
Current consumption
: 10 A
Installation Size (W x H x D)
: 178 x 50 x 160 mm
7 x 1-15/16 x 6-5/16 inch
Weight
: 2.87 lbs (1.3 kg)

KENWOOD